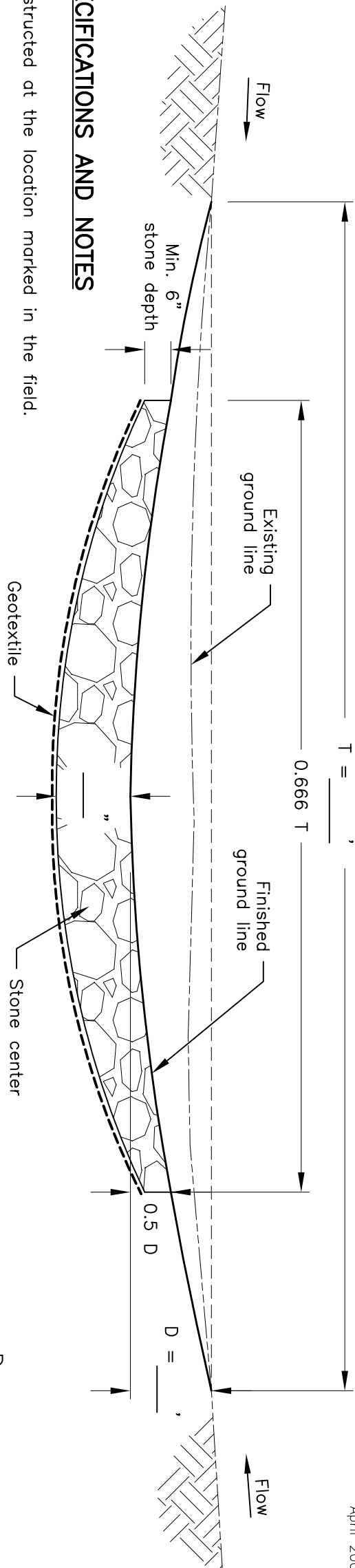


- ☐ Call Before You Dig
- ☐ Wait The Required Time
- ☐ Confirm Utility Response
- ☐ Respect the Marks
- ☐ Dig With Care



## CONSTRUCTION SPECIFICATIONS AND NOTES

1. The waterway shall be constructed at the location marked in the field.
2. All trees, brush, stumps, sod, and other objectionable material shall be legally disposed of so they will not interfere with the construction or proper functioning of the waterway or outlet.

3. Where filling is necessary, heavy sod shall be removed. Fill shall not contain vegetation, sod, frozen material, brush, roots, stones larger than (6) inches in diameter, or other objectionable material. Eroded areas shall be sloped and scarified to 1H to 1V (1:1) or flatter to insure bonding with the fill being placed. Fill shall not be placed on frozen surface. Fill shall be placed in uniform layers not to exceed (9) inches prior to compaction. The moisture content of the fill shall be sufficient to obtain firm compaction. Compaction shall be accomplished by the routing of construction equipment over the fill such that the entire surface of each layer will be traversed by not less than (1) track of the construction equipment.

4. All earth excavated and not needed in the construction of the waterway shall be spread adjacent to the waterway or shall be disposed of so that it will not interfere with proper functioning of the waterway. All spoil and disposal areas shall be graded smooth and shall be free draining.

5. 50% of the stone by volume shall be the D<sub>50</sub> size or larger. The remaining 50% shall be of well graded material, smaller than the design size.

6. A nonwoven geotextile conforming to NRCS Materials Specification 592, Class 1 shall be installed to the full width of the stone center. A minimum of (6) inches of gravel may be substituted for geotextile.

7. Apply fertilizer at the following rates:

Nitrogen	30 lbs./Ac. _____	Lbs. total _____
Phosphorus	60 lbs./Ac. _____	Lbs. total _____
Potassium	60 lbs./Ac. _____	Lbs. total _____

Unless otherwise specified, apply seed at the following rates:

Kentucky Bluegrass (Baron or Banff)	15 lbs./Ac.	_____ lbs.	total
Creeping Red Fescue (Enslyva or Flyer)	15 lbs./Ac.	_____ lbs.	total
Redtop (Streaker or Barracuda)	3 lbs./Ac.	_____ lbs.	total
Perennial Ryegrass (Pennfine or Pinnacle)	3 lbs./Ac.	_____ lbs.	total
White clover (common)	2 lbs./Ac.	_____ lbs.	total

### TYPICAL STONE CENTER CROSS-SECTION

8. An alternative seeding mixture may be applied when authorized by an approving official.
9. Apply a mulch of straw or hay at a rate of (2) Tons/Ac.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Stone	Cu. Yd.	
Geotextile	Sq. Yd.	

Stone design  $D_{50} =$  \_\_\_\_\_

## PLAN VIEW

B.M. Elev. \_\_\_\_\_

B.M. Desc. \_\_\_\_\_

NOT TO SCALE

REVISIONS			
Date Revised	Item(s) Revised	Revised by	Approved by



GRASSED WATERWAY – 412B  
STONE CENTER

	Date
Designed _____	_____
Drawn _____	_____
Checked _____	_____
Approved _____	_____
Title _____	_____